

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
31 December 2003 (31.12.2003)

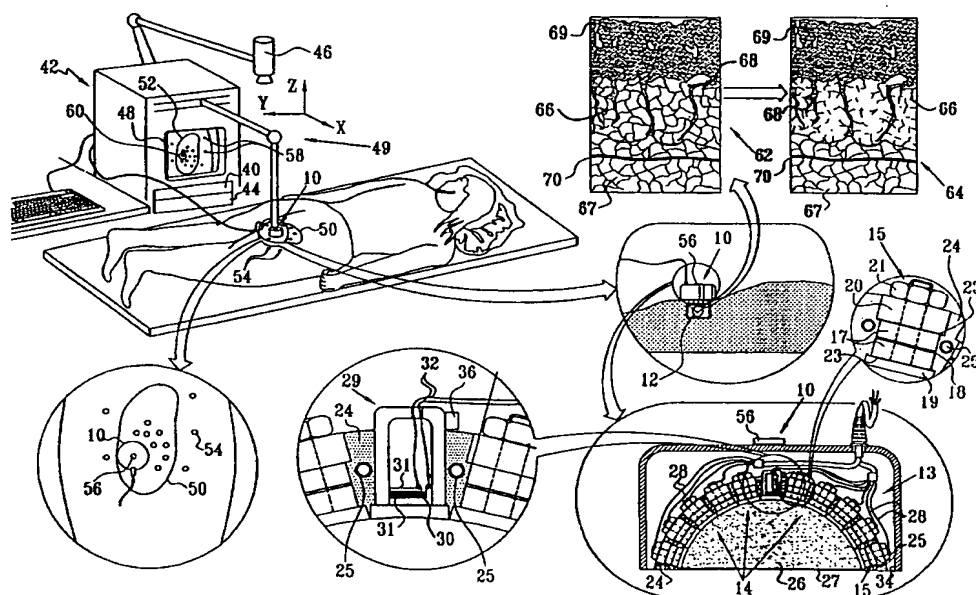
PCT

(10) International Publication Number  
**WO 2004/000116 A1**

- (51) International Patent Classification<sup>7</sup>: **A61B 5/055** (74) Agents: **SANFORD T. COLB & CO.** et al.; P.O. Box 2273, 76122 Rehovot (IL).
- (21) International Application Number: **PCT/IL2002/000510** (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: **25 June 2002 (25.06.2002)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (71) Applicant (*for all designated States except US*): **UL-TRASHAPE INC.** [US/IL]; Ultrashape Ltd., 31 Habarzel Street, 69710 Tel Aviv (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **ESHEL, Yoram** [IL/IL]; 38 Kisufim Street, 69355 Tel Aviv (IL). **KUSHCULEY, Leonid** [IL/IL]; 10 Ezra Street, 76201 Rehovot (IL). **SVERDLIK, Ariel** [IL/IL]; 39 Shimon Hatarsi Street, 62492 Tel Aviv (IL). **VITSNUDEL, Ilia** [IL/IL]; 79 Haatzmaut Street, 40500 Even Yehuda (IL).
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— *with international search report*

[Continued on next page]

(54) Title: **DEVICES AND METHODOLOGIES USEFUL IN BODY AESTHETICS**



(57) **Abstract:** A methodology and system for lysis or induction of apoptosis in cellulite and fat including directing ultrasonic energy at a multiplicity of target volumes within the region, which target volumes contain cellulite and fat, thereby to selectively lyse or induce apoptosis in the cellulite and fat in the target volumes and generally not lyse or not induce apoptosis in non-cellulite and non-fat tissue in the target volumes and computerized tracking of the multiplicity of target volumes notwithstanding movement of the body.

BEST AVAILABLE COPY

WO 2004/000116 A1